Earthquakes and Reinforced Concrete 223
By JACOB J. CRESKOFF

Maintenance and Repair of Concrete Structures in Railroad Construction 251
By M. HIRSCHTHAL

Cement and Concrete Studies on the Passamaquoddy Tidal Power Project 279
By HUGH J. CASEY

Concrete Rehabilitation Work on the Uncompahgre Project 303
By A. B. REEVES

A Study of the Column Chapter of the A. C. I. Building Regulations for Reinforced Concrete 311
By C. A. WILLSON
Discussion (from May-June 1937 JOURNAL) 318–1

Grading and Workability 319
By W. H. GLANVILLE

Drying Shrinkage of Large Concrete Members 327
By Roy W. Carlson

A Study of Sub-Aqueous Concrete 339
By ARTHUR R. ANDERSON
Discussion (from May-June 1937 JOURNAL) 346–1

Current Reviews 347

(From March-April 1937 JOURNAL)

The Institute Carries On 363
By. F. R. MCMILLAN

Concrete: Its Maintenance and Repair 367
By R. B. YOUNG

Some Comparisons of European and American Concrete Practice. 395
By F. R. MCMILLAN

The Effect of Vibration on the Strength and Uniformity of Pavement Concrete 411
By F. H. JACKSON and W. F. KELLERMAN

The New Federal Specifications for Portland Cements 435
By BEN MOREELL

Rapid and Long-Time Tests on Reinforced Concrete Knee Frames 459
By F. E. RICHART and T. A. OLSON
Discussion (from Supplement to Sept.-Oct. 1937 JOURNAL) 482–1

Design of Reinforced Concrete Members Under Flexure or Combined Flexure and Direct Compression 483
By CHARLES S. WHITNEY
Discussion (from Supplement to Sept.-Oct. 1937 JOURNAL) 498–1

High Early Strength Cement in Concrete Masonry Manufacture. 499
Report of Committee 710, BENJAMIN WILK, Chairman

Building Regulations for Reinforced Concrete 503
Report of Committee 501, A. W. STEPHENS, Chairman

Current Reviews 505

(From May-June 1937 JOURNAL)

Notes on Inspection of Structures in Europe 521
By A. J. BOASE
Discussion (from Supplement to Sept.-Oct. 1937 JOURNAL) 540–1

Recent Developments in Foundation Design with Special Reference to Concrete 541
By CARLTON S. PROCTOR
Discussion (from Supplement to Sept.-Oct. 1937 JOURNAL) 556–1

Recent Developments in Pile Foundations 557
By MAXWELL M. UPSON

Properties of Cements and Concretes Containing Fly Ash 577
By RAYMOND E. DAVIS, ROY W. CARLSON, J. W. KELLY and HARMER E. DAVIS
Discussion (from Supplement to Sept.-Oct. 1937 JOURNAL) 612–1

Experiences of an American Contractor in London, England 613
By JOHN G. AHLERS

Current Reviews 625

Index Proceedings 645

Index Current Reviews 653